

POPOV, G. M.

POPOV, G.M., professor

Discussion of the book "Diagnosis" by Professor S.A.Gilliarevskii  
at the session of the Learned Council of the First Moscow Medical  
Institute. Klin. med. 32 no.6:91-93 Je '54. (MLRA 7:8)  
(DIAGNOSIS) (GILLIAREVSKII, S.A.)

KHOTYUSHIN, N.S.; POPOV, G.M.

Determining the length of hot rolled sheet steel in a coil by the number  
of turns. Metallurg 10 no.4:50 Ap '65. (MIRA 18:7)

1. Nachal'nik uchastka Zhdanovskogo zavoda im. Il'icha (for Khotyushin).
2. Nachal'nik tekhnologicheskogo byuro Zhdanovskogo zavoda im. Il'icha  
(for Popov).

L 15979-66 EWT(1) GS/GW  
ACC NR: AT5027120

SOURCE CODE: UR/0000/65/000/000/0005/0003

AUTHOR: Popov, G. M.

ORG: none

TITLE: High-transmission optical systems developed in the Crimean Astrophysical Observatory and their use in astrophysics

30  
B+1

SOURCE: AN SSSR. Astronomicheskiy sovet. Komissiya priborostroyeniya. Soveshchaniye. Kazan, 1964. Novaya tekhnika v astronomii (New techniques in astronomy); materialy soveshchaniya, no. 2, Moscow, Izd-vo Nauka, 1965, 5-8

TOPIC TAGS: astrophysics, optic system, photography, spectrographic camera

ABSTRACT: High-transmission optical systems with large visual field (several of tens of degrees) are needed in modern astrophysics and techniques. Some concentric optical systems were investigated in the Crimean Astrophysical Observatory.  
(1) A concentric system with double passage of rays through the meniscus, consisting of meniscus and spherical mirror with rays passing twice through the

Card 1/3

L 15979-66

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ACC NR: AT5027120

meniscus, i.e. before and after reflection from mirror. The surface radii were selected in such a way that the spheric aberration was minimal for an infinitely distant object. This system was used as a camera in a nebular spectrograph installed in the Cassegrainian focus of the 50" reflector. It had an entrance pupil diameter  $D=88\text{mm}$ ,  $A=1:0.6$ , used field  $2W=35^\circ$ ; the spectral lines in negatives had a width  $\leq 0.03\text{mm}$ . (2) A "massive" concentric system having a piece of glass limited by 3 surfaces of which 2 were concentric and the 3rd was directly adjacent to the photofilm. The system had a low loss and light diffusion. A variant with a flat vision field was also produced and tested successfully. It had an entrance pupil diameter of  $D=40\text{mm}$ ,  $A=1:0.45$ , the spectral lines in the negatives had the width  $\leq 0.03\text{mm}$  at a diameter of the visual field of  $7^\circ$ . (3) Two modifications of the "massive" system were tried and recommended for use in spectrography and photography in monochromatic rays: (a) a "massive" system with meniscus and (b) a "massive" system with negative lens. All the above systems had a position of the focal surface which excluded the use of electronic-optical converters, television devices, etc. (4) An optical system consisting of 2 concentric spheric mirrors for the extention of the equivalent focal distance of the Slefoggt-Richter system ( $D=640\text{mm}$  and  $A=1:1.4$ ). The 2-mirror system had  $D=20\text{mm}$ ,

Card 2/3

L 15979-66  
ACC NR: AT5027120

F = 28mm., and A = 1:1.4. Orig. art. has: 7 figures.

SUB CODE: 03,14 / SUBM DATE: 25Jun65 / ORIG REF: 004

Card 3/3 JC

ACCESSION NR: AR4040826

S/0058/64/000/005/D064/D065

SOURCE: Ref. zh. Fizika, Abs. 5D495

AUTHOR: Popov, G. M.

TITLE: A high-transmission mirror-lens system

CITED SOURCE: Izv. Krymsk. astrofiz. observ., v. 30, 1963, 320-322

TOPIC TAGS: mirror lens system, meniscus system

TRANSLATION: There is described a concentric fast mirror-lens meniscus system of an objective with double passage of the beams through the meniscus, intended for photographing of meteors and artificial earth satellites. For compensation of chromatism, in the system is introduced a plane-parallel plate of pieces of glass with identical average index of refraction but with different dispersions. The concentric system is calculated in such a way as to reduce to a minimum the spherical aberration for an object at infinity; for the given systems this does not exceed 0.03 millimeter for a wave length of 5893 Å. The candle-power of the proposed system is equal to 1:0.7 - 1:0.8, and field of view is 20° - 30° for an aperture

Card 1/2

ACCESSION NR: AR4040826

diameter of 200 millimeters. A method for calculation of the aspherical surface of the correctional plate and determination of its off-axis aberrations is given.

SUB CODE: ES

ENCL: 00

Card 2/2

POPOV, G.M.

Fast mirror-lens system. Izv. Krym. astrofiz. obser. 30:  
(MIRA 17:1)  
320-322 '63.

POPOV, G.M.

Two-mirror concentric system. Izv. Krym. astrofiz. obser. 29:  
318-326 '63. (MIRA 16:1C)

MINKH, A.A., prof.; POPOV, G.M., prof., polkovnik med.sluzhby

"Military hygiene" by F.G. Krotkov, Reviewed by A.A. Minkh,  
G.M. Popov. Gig.i san. 25 no.7:118-119 Jl '60. (MIRA 14:5)  
(MILITARY HYGIENE) (KROTKOV, F.G.)

POPOV, GEORGIY MIKHAILOVICH, ed

Potok; sbornik stati ob opyte organizatsii potochnogo proizvodstva. (Moskva)  
Moskovskii bol'shevik, 1943. 86 p. illus.

Assembly lines; collection of articles on the organization of assembly-line  
production.

DLC: T60. A75. 16

SO: Manufacturing and Mechanical Engineering in the Soviet Union, Library of  
Congress, 1953.

POPOV, G.M., prof. (Moskva)

The problem of schools in science. *Khirurgia* 35 no.7:145-146 Jl '59.  
(MIRA 12:12)

(SCIENCE, education)

TATARSKIY, V.B.; FRANK-KAMENETSKIY, V.A.; BURAKOVA, T.N.; NARDOV, V.V.;  
PISTROV, T.G.; KONDRAT'YEVA, V.V.; KAMENTSEV, I.Ye.; CHERNYSHEVA,  
V.F.; ALEKSEYEVA, N.P.; ARTSYBASHEVA, T.F.; BARANOVSKAYA, N.I.;  
BUSSIN, I.V.; VIREMETSKO, I.A.; GNEVUSHEV, M.A.; GOYKO, Ye.A.;  
KOMKOV, A.I.; KOTOVICH, V.A.; LITVINSKAYA, G.P.; MIKHAYEVA, I.V.;  
MOKIYEVSKIY, V.A.; PISTROVA, L.V.; POPOV, G.M.; SAFRONOVA, G.P.;  
SOBOLEVA, V.V.; STULOV, N.N.; TUGARINOVA, V.G.; SHAFRANOVSKIY, I.I.;  
SHTERNBURG, A.A.; YANULOV, K.P.

O.M. Ansheles; obituary. Vest. LGU 12 no.18:152-154 '57. (MIRA 11:3)  
(Ansheles, Osip Markovich, 1885-1957)

POPOV, G.M., prof.

Military-sanitary service in the Russian army on the eve of the  
October Revolution. Sov. med. 21 no.7:139-141 J1 '57. (MIRA 12:3)  
(MEDICINE, MILITARY AND NAVAL  
in Russia, med. serv. before October Revolution (Rus))

STULOV, N.N.; SHAFRANOVSKIY, I.I.; MOKIYEVSKIY, V.A.; POPOV, G.M.; BETEKH-TIN, A.G.; NIKOLAYEV, V.A.; ANSHELES, O.M.; GRIGOR'YEV, D.P.; YEROF'YEV, B.N.; TATARSKIY, V.B.; SOLOV'YEV, S.P.; NIKITIN, V.D.; RUDENKO, S.A.; DUBININA, V.N.; ALYAVDIN, V.F.; VLADIMIROV, B.N.; KAZITSYN, Yu.V.; FRANK-KAMENETSKIY, V.A.; KALININ, A.I.; BALASHOVA, M.N.; SAL'DAU, E.P.; DOLIVO-DOBROVOL'SKAYA, G.M.; LAVRENT'YEV, M.P.

Viktor Ivanovich Mikheev, Zap. Vses. min. ob-va 86 no.2:317-320  
'57. (MLRA 10:6)  
(Mikheev, Viktor Ivanovich, 1912-1956)

26-58-6-55/56

AUTHOR: Popov, G.N., Professor (Kraskovo, Moscow Oblast')

TITLE: Cherries in the Amateur Garden (Vishnya v lyubitel'skom sadu)

PERIODICAL: Priroda, 1958, Nr 6, p 127 (USSR)

ABSTRACT: The author refers to the article on the "Ripening of Cherries" by V.I. Polgoshov, published in "Priroda" Nr 7, 1957, in which nothing had been said about ripening period of different cherry varieties. He points out that by selecting cherries with different ripening dates the amateur gardener can gather cherries until the beginning of September.

Card 1/1

1. Fruits-Ripening

POPOV, G.M., prof.

~~Role of Moscow Military Hospital in the development of medical education in Russia. Sov.med. 21 no.12:102-109 D '57. (MIRA 11:3)~~

(EDUCATION, MEDICAL, hist.

in Russia, role of Moscow Military Hosp. (Rus)

(HOSPITALS,

Moscow Military Hosp., in med. educ. (Rus)

POPOV, G.M.

POPOV, G.M., prof. (Moskva)

Fortieth anniversary of the Fourteenth Congress of Russian Surgeons.  
Khirurgia 33 no.6:132-134 Je '57. (MIRA 10:12)  
(SURGERY--CONGRESSES)

POPOV, G.M., prof.; POPOV, I.G., kand.meditinskikh nauk

Fifty years of water disinfection by chlorine in waterworks in  
Russia. Gig. i san. 25 no.4:112-113 Ap '60. (MIRA 13:8)  
(WATER SUPPLY) (CHLORINE AND DERIVATIVES AS DISINFECTANTS)

M-2

JSSR/Cultivated Plants - Grains.

Abs Jour : Ref Zhur - Biol., No 7, 1958, 29693

Author : Popova, G.M.

Inst : Leningrad Agricultural Institute.

Title : The Izumrudnaya, a New Winter Rye Variety (Synopsis of a Monograph)

Orig Pub : Zap. Leningr. s.-kh. in-ta, 1956, vyp. 11, 329-341.

Abstract : Information is presented on the history of the variety's origin, obtained through the cross-pollination of the Vyatka variety with the West European variety and subsequent selection, together with detailed biological and economic descriptions of its characteristics. According to the findings of the government variety testing in 1951-1955, the variety is distinguished by large grain with high bread baking qualities and is resistant to

Card 1/2

- 28 -

POPOVA, Gali Mikhaylovna, prof., doktor sel'skokhoz.nauk; LEONT'YEV,  
Vladimir Mitrofanovich, dotaent, kand.sel'skokhoz.nauk; KOZLOVA,  
Favsta Ivanovna, dotsent, kand.sel'skokhoz.nauk; ABRAMOVA,  
Zinaida Vasil'yevna, dotsent, kand.sel'skokhoz.nauk; IVASHKINA,  
L.A., red.; CHUNAYEVA, Z.V., tekhn.red.

[Guide to practice lessons in the breeding and seed production  
of field crops] Rukovodstvo k prakticheskim zaniatiiam po  
seleksii i semenovodstvu polevykh kul'tur. Izd.2., perer.  
Pod red. G.M.Popovoi. Moskva, Gos.izd-vo sel'khoz.lit-ry,  
1960. 376 p. (MIRA 13:11)

(Field crops)

POPOVA, G. M.

USSR (600)

Agriculture

Unit selection of field crops. (Moskva) Sel'khozgiz, 1951.

Monthly List of Russian Accessions, Library of Congress, October 1952. UNCLASSIFIED.

GALDIN, N.Ye. [translator]; AZHGIREY, G.D., red.; POPOV, G.M., dotsent,  
red.; ROMANOVICH, G.P., red.; SOKOLOVA, T.V., tekhn.red.;  
IOVLEVÀ, N.A., tekhn.red.

[Problems in structural geology] Voprosy strukturnoi geologii.  
Pod red. i s predisl.G.D.Azhgireia. Moskva, Izd-vo inostr.  
lit-ry, 1958. 260 p. (MIRA 12:8)  
(Geology, Structural)

POPOV, G.M., prof.

My orchard. Zdrov'e 4 no.8:26 Ag'58  
(FRUIT CULTURE)

(MIRA 11:7)

1. YERMOL'CHENKO, YE. I.; RABOVSKIY, M. G.; POPOV, G. M., Eng.
2. USSR (600)
4. Steel - Heat Treatment
7. Gradual annealing of a steel strip without oxidizing its surface. Prom. energ.  
9 no. 10, 1952

9. Monthly List of Russian Accessions, Library of Congress, \_\_\_\_\_ 1953. Unclassified.

1. BORISLAVSKIY, V. S.; LEBEDEV, F. G.; POPOV, G. M., Eng.
2. USSR (600)
4. Gas and Oil Engines - Testing
7. Economical method of testing internal combustion engines.  
Prom. energ. 9 no. 10, 1952
9. Monthly List of Russian Accessions, Library of Congress, January 1953. Unclassified.

Popov, G. M.

USSR/Chemical Technology. Chemical Products and Their Application -- Fermentation industry, I-27

Abst Journal: Referat Zhur - Khimiya, No 2, 1957, 6518

Author: Popov, G. M.

Institution: None

Title: Semi-Sweet Wines of Megrinskiy Rayon

Original

Publication: Vonodeliye i vinogradarstvo SSSR, 1956, No 3, 12-13

Abstract: Under favorable meteorological conditions of the Megrinskiy Rayon of Georgian SSR, the sugar content of the Arevik and Aldara varieties reaches 28%. The Arevik variety yields high-grade liqueur (20% sugar, 16% alcohol) and semi-sweet (3.0-3.5% and 10-12°) wines.

Card 1/1

POPOV, G. N.

The mining of mineral deposits. Moskva, Gos. izd-vo geol. lit-ry, 1947. 327 p.  
(49-51249)

TN145.P67

Popov, G. M.

Popov, G. M. "Selective extraction in working polymetallic minerals", in the collection entitled: Voprosy gornogo dela, Moscow, 1948, p. 413-46.

SO: U-285d, 12 Feb. 53, (Letopis' Zhurnal 'nykh Statey, No. 2, 1949).

POPOV, G. N.

PA 25/4978

USSR/Mining Methods  
Mining Equipment

Nov 48

"Employment of Selective Cutting in Working Polymetallic Deposits, G. N. Popov, Inst of Mining, Acad Sci USSR, 6 pp

"Iz Ak Nauk SSSR, Otdel Tekh Nauk" No 11

Discusses subject mining method, with practical example. Calculates primary and subsidiary costs. Outlines separating methods, and describes organization required for conducting selective cutting. Submitted by Acad A. M. Terpigorev.

25/4978

RACKOVSKY, S. YA.; YASTIKEVICH, S. M.; FCFCY, G.M.

Mining Engineering

Cutline of the history of Soviet mining engineering. Reviewed by S. Ya. Rackovskiy, S. M. Yasiukevich, G. M. Popov. Gor. zhur. no. 2, 1952.

9. Monthly List of Russian Accessions, Library of Congress, April 1957, Uncl. 2

POPOV, G.N.; GORODETSKIY, P.I., professor, doktor tekhnicheskikh nauk, retsent; POLYAKOV, N.N., dotsent, retsenzent; SHABLYGIN, A.I., dotsent, retsenzent; BORISOV, A.A., dotsent, retsenzent; NEKRASOVSKIY, Ya.E., professor doktor tekhnicheskikh nauk, retsenzent.

[Working mineral deposits] Razrabotka mestorozhdenii poleznykh iskopayemykh. Moskva, Gos. nauchno-tekhn. izd-vo lit-ry po chernoi i tsvetnoi metallurgii, 1953. 531 p.  
(MLRA 7:4)

1. Kafedra razrabotki rudnykh mestorozhdeniy Leningradskogo gornogo instituta (for Shablygin, Polyakov, Borisov). 2. Zaveduyushchiy kafedroy P.I.Gorodetskiy.  
(Mining engineering)

18.1000

75406  
SOV/149-2-5-32/32

AUTHOR:

Popov, G. N.

TITLE:

Higher Mining Education in the Chinese People's Republic

PERIODICAL:

Izvestiya vysshikh uchebnykh zavedeniy. Tsvetnaya metal-lurgiya, 1959, Vol 2, Nr 5, pp 192-193 (USSR)

ABSTRACT:

During his stay in the Chinese People's Republic the author became acquainted with the activities of the Departments of Mining at the Northeastern Polytechnical Institute of Shenyang (Mukden), at the Peking Institute of Ferrous Metallurgy, and at the Southern Central Institute of Nonferrous Metallurgy at Changsha. China pays special attention to the training of qualified mining personnel. The number of mines in China is increasing rapidly. These mines are equipped with Chinese machinery built with the technical help of the Soviet Union; the equipment consists of excavators with a shovel capacity of 3 m<sup>3</sup>, electric locomotives weighing up to 80 tons, drilling rigs of BMK and BA100 types, scraper winches, modern pneumatic chisels, etc. The Peking Institute

Card 1/3

Higher Mining Education in the  
Chinese People's Republic

75406  
SOV/149-2-5-32/32

of Ferrous Metallurgy has an enrollment of 5,700 students, and the number of teachers has increased to 600. 34 laboratories are available, as well as workshops, and the site occupied by the institute has an area of 12.5 ha. The following features characterize the educational program: out of 5 years' study 49 weeks are dedicated to production training; 10 weeks are to be used for construction work at the institute, building laboratories, making repairs of the buildings, etc.; lectures take place at plants during 12 weeks of the curriculum; students are actually producing industrial materials at the laboratories: ferrosilicium, cast iron, sheet and strip steel, machine subassemblies; construction of an entire steel plant with a yearly capacity of 100 thousand tons, collective discussions of the results of work at the end of each year; a considerable time dedicated to studies of political and economic disciplines. The laboratories and shops are equipped with real mining machinery; scale models of mines are built (according to drawings) which can be taken apart. The

Card 2/3

Higher Mining Education in the  
Chinese People's Republic

75406  
SOV/149-2-5-32/32

education is free and 80% of the students receive an allowance. Installations for sport, clubs, and cafeterias are available to the students. The relations between the Soviet specialists and the teaching personnel are highly praised. The Soviet specialists, on the other hand, are gaining from their contact with Chinese workmen, engineers, and technicians.

Card 3/3

Popov, G.N.

MININ, G.I., Institute of Geology and Mining  
of Mineral Fuels, Academy of Sciences USSR  
Theory and laboratory modeling of fractured  
reservoir rocks with seismic porosity" (Section IV)  
MININ, Iosif V., Moscow State University  
Institute for Labor Safety in Mining Industries  
"Study of gas outburst phenomena" (Section III)  
MISHIN, Iosif O., Moscow State University  
Head, Chair, Geology and Geochemistry of  
Combustible Minerals - Methods of comparative  
estimation of oil and gas occurrence possibilities"  
(Section IV)  
MINOV, Semyon A., Institute of Petroleum Academy  
of Sciences USSR - "Boring results in the field  
of oil-bearing" (Section III)  
of short spacing" (Section III)  
MISANOV, A. P., Kemerovo Polytechnic Institute  
"Theoretical bases of sand flow into the wells and  
their application for oil production" (Section IV)  
MIRNOV, Ivan A., North Caucasus Institute of  
Mining and Metallurgy - "Methods of increasing the  
rate of boring holes for exploration and exploitation  
in hard rocks" (Section IV)  
MIRNOV, I. M., Leningrad Mining Institute  
"Utilization of rock pressure and the microstructure  
of coal seams to facilitate mining" (Section I)  
MOROV, G. M., Moscow Institute of Nonferrous Metals  
and Gold, Iu. M. I. Kalinin - "Technical results  
obtained in the Soviet Union at the exploitation  
of tin deposits" (Section II)  
PENKOV, N. V., Moscow Geological Prospecting  
Institute im. S. Ordzhonikidze - "Full  
mechanization of the driving of mine railways  
and prospecting drifts in the Soviet Union"  
(Section I)  
ZABRODINSKY, Alex P. - "Determination of the  
variation of stresses originating in wall rock  
masses" (Section I)

REF ID: A6500  
REFERRED TO BE SUBMITTED FOR THE XIXth MINING CONGRESS, KIEV AND PETROLOGICAL SOCIETY,  
KIEV, SEPTEMBER, 12-18 Sep 1960

GORODETSKIY, P.I.; POPOV, G.N.; SHABLYGIN, A.I.; BOGOMOLOV, V.I.; GALAYEV, N.Z.;  
PANENKOV, Yu.I.

Method of working the Nikolaevskiy deposit. Gor.zhur. no.3:15-21  
(MIRA 14:5)  
Mr '60.  
(Nikolaevskiy (Ural Mountain region) - Mining engineering)

POPOV, G.N.; PETROSOV, A.A.

Peculiarities of mining one of the complex mercury deposits of  
Central Asia. Izv.vys.ucheb.zav.; tsvet.met. 5 no.1:22-25 '62.  
(MIRA 15:2)  
1. Krasnoyarskiy institut tsvetnykh metallov, kafedra razrabotki  
mestorozhdeniy poleznykh iskopayemykh.  
(Asia, Central--Mercury mines and mining)

POPOV, Georgiy Nikolayevich; NEKRASOVSKIY, Ya.E., prof., retsenzent;  
TARTAKOVSKIY, B.N., kand. tekhn. nauk, retsenzent; ARSENT'YEV,  
A.I., dots., retsenzent; LAVRINENKO, V.F., dots., retsenzent;  
KULIKOV, V.V., kand. tekhn. nauk, otv. red.; PARTSEVSKIY, V.N.,  
red.izd-va; SHKLYAR, S.Ya., tekhn. red.; MAKSIMOVA, V.V., tekhn.  
red.

[Working mineral deposits] Razrabotka mestorozhdenii poleznykh  
iskopаемых. 2., perer. i dop. izd. Moskva, Gosgortekhizdat,  
1963. 588 p. (Mining engineering) (MIRA 16:7)

PANIN, Ivan Mikhaylovich; KOVALEV, Igor' Antoninovich; POPOV, G.N.,  
prof., doktor tekhn. nauk, retsenzent; CHEREMUSHENTSEV,  
I.A., prof., doktor tekhn. nauk, retsenzent; LOBANOV, D.P.,  
dots., kand. tekhn. nauk, retsenzent; STEBAKOV, B.A., gorn.  
inzh., retsenzent; TARASOV, L.Ya., prof., gornyy inzh.,  
otv. red.

[Problems on the underground mining of ore deposits] Zadach-  
nik po podzemnoi razrabotke rudnykh mestorozhdenii. Moskva,  
(MIRA 18:2)  
Nedra, 1964. 211 p.

POPOV, G.N.; LOBANOV, B.F.; LIMTOVSKY, A.M.

Investigating the basic parameters of the hydrodynamic properties  
of clays. Izv. vys. ucheb. zav., nauch.-tekhn. R. no. 1122-82. Tr. 1.  
(MRA 18.0)

1. Kafedra razrabotki mestorozsledcheniya redkikh i radioaktivnykh  
metallov Moskovskogo geologorazvedochnogo instituta.

POPOV, G.N.

Wastes from sylvanite flotation as raw material for the  
production of technical salts. Khim. prom. 41 no.8:600-  
(MIRA 18:9)  
603 Ag '65.

POPOV, G.N., prof., doktor tekhn.nauk; KOL'TSOV, V.M., gornyy inzh.

Systems of mining with set filling. Gor. zhur. no.9:24-28 S  
'63. (MIRA 16:10)

1. Moskovskiy institut stali i splavov.

POPOV, G.N., inzh.

Emergency closing of the valve groups on a turbine. Elek.sta.  
32 no.8:82-84 Ag '61. (MIRA 14:10)  
(Steam turbines)

PEROV, G.N., professor, doktor tekhnicheskikh nauk; RYCHIK, F.F., kandidat  
tekhnicheskikh nauk; RUYANOV, V.G., inzhener; TARAKANOV, G.N., inzhener.

Metal rod supports in stoping. Gor.zhur. no.9:27-29 S '57. (MINE 11:2)  
(Mine timbering)

L 59805-65

ACCESSION NR: AR5014262

UR/0299/65/000/010/M022/M022

15  
B

SOURCE: Ref. zh. Biologiya. Svodnyy tom, Abs. 10M122

AUTHOR: Popov, G. P.

TITLE: The fate of layered transplants of dehydrated corneal tissue

CITED SOURCE: Oftal'mol. zh., no. 7, 1964, 523-526

TOPIC TAGS: tissue transplant, ophthalmology, rabbit

TRANSLATION: In experiments on rabbits, 2 days to 8 mos after keratoplasty, histomorphological investigations were conducted on 20 corneas having layered transplants of corneal tissue preserved by cooling for 24 hrs in a moist chamber and on 31 corneas having layered transplants of corneal tissue dehydrated with silica gel (second experiment). In the first experiment, no significant breakdown changes or loss of cells took place in the layered transplants. The edges between the stroma of the layered transplant and the recipient's cornea accreted after 4-8 mos (a truly successful graft); in the layered transplants, the capacity of the mucosaccharides for

Card 1/2

L 59805-65

ACCESSION NR: AR5014262

purple-red metachromatic staining did not essentially change during the accretion process. In the second experiment, breakdown of the layered transplant stroma cells and their gradual resorption started to take place by the 2nd-3d day; the layered transplants preserved their metachromatic properties. In 1-2 weeks and for a period of 1½-2 mos, the immature cells from the recipient's cornea colonized the layered transplant stroma; the process of cellular element resorption and cell replacement proceeded more slowly in the layered transplant epithelium than in the layered transplant stroma cells. N. S.

SUB CODE: LS

ENCL: 00

Card 2/2

S/076/63/037/003/009/020  
B101/B215

AUTHORS: Popov, G. P., Chufarov, G. I. (Sverdlovsk)

TITLE: Study of the mechanism and equilibrium conditions for the reduction of nickel ferrite by hydrogen

PERIODICAL: Zhurnal fizicheskoy khimii, v. 37, no. 3, 1963, 586-594

TEXT: The reduction of  $\text{NiFe}_2\text{O}_4$  was conducted by a mixture of  $\text{H}_2 + \text{H}_2\text{O}$  circulating in a vacuum apparatus, and the degree of ferrite reduction was calculated from the  $\text{H}_2$  consumption. Debye patterns were used to check the coexistent solid phases and determine the lattice constants according to A. J. Bradley, A. H. Jay, and A. Taylor (Philos. Mag., 23, 545, 1937). The formation of continuous solid solutions of  $\text{NiFe}_2\text{O}_4$  in  $\text{Fe}_3\text{O}_4$  was observed, metallic Ni being formed with lattice constant of 3.52 Å remaining unchanged up to a reduction degree of 20%, and with 3.56 Å up to 60% reduction owing to Fe accumulation. The spinel

Card 1/2

Study of the mechanism and ...

S/076/63/037/003/009/020  
B101/B215

reduction is completed at 60% reduction, then FeO reduction follows and the lattice constant of the metallic phase increases to 3.584 Å. For the solid  $\text{NiFe}_2\text{O}_4$ - $\text{Fe}_3\text{O}_4$  solution,  $K_{\text{equ}}$ ,  $\Delta H_{298}^{\circ}$ ,  $\Delta Z$ ,  $\Delta S$ , and  $\Delta F$ , as well as the activity coefficients  $a_{\text{ferr}}$ ,  $a_{\text{magn}}$  of ferrite and magnetite were calculated and tabulated. The negative deviation of the curves  $a_{\text{ferr}}$  versus concentration, and  $a_{\text{magn}}$  versus concentration suggests that  $\text{Ni}^{2+}$  ions during  $\text{NiFe}_2\text{O}_4$  dissolution in  $\text{Fe}_3\text{O}_4$  tend to occupy octahedron nodes, and that  $\text{Fe}^{2+}$  ions during the dissolution of  $\text{Fe}_3\text{O}_4$  in  $\text{NiFe}_2\text{O}_4$  show the same tendency. Thus a short-range order forms in the  $\text{NiFe}_2\text{O}_4$ - $\text{Fe}_3\text{O}_4$  system. There are 5 figures and 3 tables.

ASSOCIATION: Akademiya nauk SSSR Ural'skiy filial Institut metallurgii  
(Academy of Sciences USSR, Ural Branch, Institute of Metallurgy)

SUBMITTED: January 2, 1962  
Card 2/2

S/020/61/140/006/019/030  
B103/B101

AUTHOR: Popov, G. P.

TITLE: Equilibrium conditions on reduction of nickel ferrite by hydrogen

PERIODICAL: Akademiya nauk SSSR. Doklady, v. 140, no. 6, 1961, 1338-1340

TEXT: Equilibrium conditions, compositions, and the nature of the gaseous and solid phases prevailing in the reduction of nickel ferrite were determined.  $H_2$  was used for reducing in a closed vacuum apparatus in which the  $H_2 + H_2O$  mixture circulated. The pressure of the water vapor was maintained like that of saturated steam at  $0^\circ C$ . When equilibrium was reached, the ferrite specimen was extracted from the oven by means of an electromagnetic device, the water vapor frozen out in a receiver immersed in liquid  $N_2$ , and the  $H_2$  pressure measured. Equilibrium was attained from both the reduction and the oxidation side. The average  $H_2$  pressure was considered as equilibrium value. The reduction degree was determined from the  $H_2$  consumption. The nature of the solid phases coexisting with the

Card 1/4 3

Equilibrium conditions on...

S/020/61/140/006/019/030  
B103/B101

gaseous phase was determined by Debye patterns, the parameters of the crystal lattice by graphic extrapolation according to Bradley and Jay (Ref. 4, see below). It has been found that  $\text{NiFe}_2\text{O}_4$  is reduced in two stages. The metal phase is the reaction product from 0 to 60% of the reduction; initially it consists of almost pure nickel. Iron concentrates in the metal phase with increasing reduction degree, accompanied by an increase of the crystal lattice parameter up to 3.56 Å with 60% reduction. At the same time, the lattice parameter of ferrite increases from 8.332 to 8.378 Å. This value corresponds to that of almost pure magnetite. Consequently,  $\text{NiFe}_2\text{O}_4$  forms a series of solid solutions in the first reduction stage in the course of iron concentration. The equilibrium constant varies accordingly in the course of the process. In 60% reduction, its value approximates the value corresponding to the  $\text{Fe}_3\text{O}_4$  -  $\text{FeO}$  equilibrium. In the second stage (60 - 100% of the reduction) wustite with a lattice parameter of 4.28 Å is formed. Thereby, wustite is reduced to iron. Therefore, the lattice parameter of the metal phase increases up to 3.584 Å with 75% reduction. Apparently, it is not changed anymore afterwards.

Card 2/58

S/020/61/140/006/019/030  
B103/B101

Equilibrium conditions on...

The composition of the ferrite as function of the reduction degree was calculated based on the lattice parameters established for the metal phase and on the data of Ref. 4 (see below). The data of Table 1 were calculated from the equilibrium constants of the reduction of the solid solutions  $\text{NiFe}_2\text{O}_4 - \text{Fe}_3\text{O}_4$ .  $S_{298}$  was calculated from the equation of

M. I. Temkin - L. A. Shvartsman (Usp. khim., 17, 259 (1948)).  
G. I. Chufarov, Corresponding Member AS USSR, and V. N. Bogoslovskiy are thanked for guidance and discussion respectively. There are 2 figures, 1 table, and 6 references: 5 Soviet and 1 non-Soviet. The reference to the English-language publication reads as follows: Ref. 4: A. E. Bradley, A. H. Jay, A. Taylor (Ref. 4: Phil. Mag., 23, 545 (1937)).

ASSOCIATION: Institut metallurgii Ural'skogo filiala Akademii nauk SSSR  
(Institute of Metallurgy of the Ural Branch of the Academy of Sciences USSR)

PRESENTED: May 20, 1961, by G. V. Kurdyumov, Academician

SUBMITTED: May 18, 1961

Card 3/3

POPOV, G.P.; SIMONOV, M.I.; UGOL'NIKOVA, T.A.; CHUFAROV, G.I.

Thermodynamic properties and crystallochemical characteristics  
of zinc ferrite solid solutions with magnetite. Dokl. AN SSSR  
148 no.2:357-360 Ja '63. (MIRA 16:2)

1. Institut metallurgii Ural'skogo filiala AN SSSR i Institut  
fiziki metallov AN SSSR. 2. Chlen-korrespondent AN SSSR (for  
Chufarov).

(Zinc ferrates—Thermodynamic properties)  
(Crystallography)

BELOUSOV, M.A., red.; POPOV, G.P., red.; DORMAN, I.A., red. [deceased];  
KENZER, A.P., red.; SOROKINA, Z.I., tekhn. red.

[Methods for field and pot experiments with cotton under conditions of irrigation farming] Metodika polovykh i vegetatsionnykh optyov s khlopchatnikom v usloviiakh orosheniia. Izd.2., dop. Pod obshchei red. M.A.Belousova, G.P.Popova i I.A.Dormana. Tashkent, M-vo sel'.khoz.UzSSR, 1961. 149 p. (MIRA 15:7)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut khlopkovodstva.

(Soviet Central Asia--Cotton growing)  
(Agriculture--Experimentation)

POPOV, G.P.

Equilibrium conditions in the reduction of nickel ferrite by hydrogen.  
Dokl. AN SSSR 140 no.6:1338-1340 O '61. (MIRA 14:11)

1. Institut metallurgii Ural'skogo filiala AN SSSR. Predstavлено  
академиком G.V.Kurdyumovym.  
(Nickel ferrate) (Hydrogen)

POPOV, G.P.; CHUFAROV, G.I.

Activities, heats, and entropies of mixing in  $\text{NiFe}_2\text{O}_4$  solid solutions. Dokl. AN SSSR 141 no.4:877-879 D '61. (MIR 14:11)

1. Institut metallurgii Ural'skogo filiala AN SSSR. 2. Chlen-korrespondent AN SSSR (for Chufarov).  
(Solutions, Solid)

POPOV, G.P.; POLYAKOVA, I.L.

Food poisoning of staphylococcal etiology, caused by the addition  
to food of milk, from cows with suppurative diseases of the udders.  
Zhur.mikrobiol.apid.i immun. 32 no.2:119-121 F '61. (MIHA 14:6)

1. Iz Stalingradskoy oblastnoy sanitarno-epidemiologicheskoy stantsii.  
(MILK—MICROBIOLOGY) (STAPHYLOCOCCAL INFECTIONS)  
(FOOD POISONING)

POPOV, G.P., dotsent; IVANOV, V.A., dotsent; TUCHIN, N.D.; inzh.; LAVILOV, A.G., kand.tekhn.nauk

Theory of electric locomotives with differential gears. Izv. vys. ucheb. zav.; gor. zhur. no.2:115-118 '61. (MIRA 14:3)

1. Dnepropetrovskiy ordena Trudovogo Krasnogo Znameni gornyy institut imeni Artyoma. Rekomendovana kafedroy prikladnoy mekhaniki i detaley mashin Dnepropetrovskogo gornogo intituta.  
(Mine railroads) (Gearing)

POPOV, G.P., aspirant

Further observations of lamellar transplantation of dehydrated corneal tissue. Oft. zhur. 18 no.4:206-210 '63 (MIRA 17:4)

1. Iz Ukrainskogo nauchno-issledovatel'skogo eksperimental'nogo instituta glaznykh bolezney i tkanevoy terapii imeni akademika V.P. Filatova.

TYPE : SCIENTIFIC  
COUNTRY : Cultivated Plants. Commercial. Oleiferous.  
SUB-SERIES : Super-Series  
ARCH. DEPUP : ANU SSSR Akademiya Nauk, 1956, v. 1393  
AUTHOR : Madralimov, I.M.; Popova, I.M.; Popov, G.P. \*  
INST. : AS Uzbek SSR  
TITLE : Production Experiments in Applying Liquid Nitrogen Fertilizers under Cotton in 1956.  
SERIAL. PUBL.: V sb.: Ref. nauchno-issled. rabot po khloro-kovedstvu. Tashkent, AN UzSSR, 1957, 156-179  
ABSTRACT : Comparative study of liquid ammonia and ammonium ( $\text{NH}_4^+$ ) in the kolkhozes of Uzbek SSSR in 1956 on different soils showed them to be equally effective. In a number of laboratory tests the volatility of A under varying soil moisture and planting depths, its percolation with the water flow and the rate of nitrification in the soil. --O.B.Vakhmistrov  
\*: \* Yarovenko, G.I.

CARD #: 1/1

POPOV, G. P.; CHIFAROV, G. I. (Sverdlovsk)

Mechanism and equilibrium conditions of nickel ferrite reduction  
by hydrogen. Zhur. fiz. khim. 37 no. 3:586-594 Mr '63.  
(MIR 17:5)

1. Institut metallurgii Ural'skiy filial AN SSSR.

USSR / Cultivated Plants. Experimental Methods. M-2

Abs Jour: Ref Zhur-Biol., 1958, № 16, 72859.

Author : Popov, G. P.; Dorman, I. A.

Inst : All-Union Scientific-Research Institute of Cotton  
Growing.

Title : On a Method of Field and Vegetation Experiments  
with Cotton Plant Under Irrigation.

Orig Pub: Vses. n.-i. in-t khlopkovodstva. Tashkent, 1957,  
116 str.

Abstract: No abstract.

Card 1/1

POPOV, G.P.

Adapting the ordinary spirit lamp for manufacturing Pasteur's  
pipettes, sealing ampoules and similar purposes. Lab. delo  
5 no.1:61-62 '59. (MIRA 12:3)

1. Iz Stalingradskogo instituta epidemiologii, mikrobiologii i  
gigiyeny.  
(BURNERS) (LABORATORIES--EQUIPMENT AND SUPPLIES)

POFOV, G.P., red.

[Field and vegetative experiments with cotton under irrigation]  
Metodika polevykh i vegetatsionnykh optyov s khlopchatnikom v  
usloviakh orosheniia. Tashkent, 1957. 114 p. (MIRA 14:8)  
(Cotton—Irrigation)

POPOV, G.P., vrach

Phlegmon of the orbit in three-month-old children. Oft. zhur.  
15 no.8:488-491 '60. (MIRA 14:1)

1. Iz glaznogo otdeleniya (zaveduyushchiy - zasluzhennyj vrach  
USSR V.A. Stroganov) Khersonskoy oblastnoy bol'nitsy.  
(ORBIT(EYE)—DISEASES) (PHLEGMON)

S/020/63/148/002/029/037  
B189/B101

AUTHORS: Popov, G. P., Simonova, M. I., Ugol'nikova, T. A., Chufarov,  
G. I., Corresponding Member AS USSR

TITLE: Thermodynamic properties and crystallochemical characteristics  
of the solid solutions of zinc ferrite and magnetite

PERIODICAL: Akademiya nauk SSSR. Doklady, v. 148, no. 2, 1963, 357 - 360

TEXT: The thermodynamic functions and the lattice constant of the solid  
 $ZnFe_{2-x}O_4 - Fe_{3-x}O_4$  solutions having the composition  $Zn_{1-x}Fe_{2+x}O_4$  were calcu-  
lated from the equilibrium constants of the reduction of  $ZnFe_{2-x}O_4$  with  $H_2$ ,  
determined experimentally at 600, 700, and  $900^\circ C$ , as a function of x.

Thermodynamic data:

x	$-\Delta H_{298}^0$ kcal/mole	$-\Delta Z_{298}^0$ kcal/mole	$S_{298}^0$ cal/g-mole	composition of the solid solution
0.00	285.5	255.5	30.78	$ZnFe_{2-x}O_4$
0.27	275.5	250.0	30.40	$Zn_{0.7}Fe_{2.3}O_4$

Card 1/3

S/020/63/148/002/029/057  
B189/B101

## Thermodynamic properties ...

X	$-\Delta H_{298}^0$	$-\Delta V_{298}^0$	$S_{298}^0$	composition of the solid solution
	kcal/mole	kcal/mole	cal/g-mole	
0.52	273.8	246.0	53.0	$Zn_{0.5}Fe_{2.5}O_4$
0.72	269.3	241.0	53.3	$Zn_{0.3}Fe_{2.7}O_4$
0.92	266.6	240.0	54.0	$Zn_{0.1}Fe_{2.9}O_4$
1.00	270.0	242.0	55.00	$Fe_3O_4$

X is the molar part of  $Fe_3O_4$  in  $Zn_{1-x}Fe_{2+x}O_4$ ; the data for  $Fe_3O_4$  are taken from publications. The lattice constant decreases slowly from 8.445 Å for  $ZnFe_2O_4$  to 8.44 Å for  $Zn_{0.7}Fe_{2.3}O_4$  and then linearly to 8.40 Å for  $Fe_3O_4$ . The curve  $S_{298}^0$  versus x has the same salient point at x = 0.3. It is concluded, therefore, that the inversion of the spinels remains almost unchanged between  $0 \leq x \leq 0.3$  and that only  $Zn^{2+}$  ions are substituted by the  $Fe^{2+}$  ions in the tetrahedron points. These ions are almost of equal size. Between x = 0.3 and x = 1, however, the intensive inversion to total inverse spinel,

Card 2/3

Thermodynamic properties ...

S/020/63/148/002/029/037  
B189/B101

the magnetite takes place, owing to the redistribution of the cations in the tetrahedron and octahedron interstices. There are 3 figures and 1 table.

ASSOCIATION: Institut metallurgii Ural'skogo filiala Akademii nauk SSSR  
(Institute of Metallurgy of the Ural Branch of Academy of Sciences USSR); Institut fiziki metallov Akademii nauk SSSR  
(Institute of Physics of Metals of the Academy of Sciences USSR)

SUBMITTED: July 14, 1962

Card 3/3

ПОПОВ, Г. П.

Feeding and Feeding Stuffs

Using peat pits as a source of feed. G. P. Popov., Korm. baza, 2, №. 10, 1952.

9. Monthly List of Russian Accessions, Library of Congress, April 1952 1953, Uncl.

F-164, c. P

BESEDIN, P.N., red.; POPOV, G.P., red.; PROTASOV, P.V., red.

[Collected scientific works on the use of fertilizers in cotton growing] Sbornik nauchnykh rabot po primeneniiu udobrenii pod khlopkovodstvom. Pod red. P.N.Besedina, G.P.Popova i P.V.Protasova. Tashkent, 1957. 332 p. (MIRA 11:6)

1. Tashkent. Vsesoyuznyy nauchno-issledovatel'skiy institut khlopkovodstva. TSentral'naya stantsiya udobrenii i agropochvovedeniya. 2. Zamestitel' direktora po nauchnoy chasti Vsesoyuznogo nauchno-issledovatel'skogo instituta khlopkovodstva (for Besedin). 3. Direktor TSentral'noy stantsii udobreniya i agropochvovedeniya (for Popov). 4. Zamestitel' direktora po nauchnoy chasti TSentral'noy stantsii udobreniya i agropochvovedeniya (for Protasov) (Cotton growing) (Fertilizers and manures)

L 41035-65 EWT(d) Po-4/Pq-4/Pg-4/Pk-4/Pl-4

ACCESSION NR: AP5005935 S/0119/65/000/002/0010/0011

AUTHOR: Minayev, V. I. (Engineer); Popov, G. R. (Engineer); Fedyukin, V. I. (Engineer); Shul'meyster, L. F. (Candidate of technical sciences)

TITLE: Thermoelectric-power meter

SOURCE: Priborostroyeniye, no. 2, 1965, 10-11

TOPIC TAGS: thermoelectric power, thermoelectric power meter 10

ABSTRACT: An instrument for quick measurement of thermoelectric power (TP) is described in which a preset temperature difference is maintained with an error of  $\pm 2\%$ ; thus, TP is determined by actually measuring the thermo-emf of the device being tested. An electronic temperature-difference stabilizer (designed with diodes and transistors) is briefly described; it includes an electric heater, temperature sensors, and an automatic controller. Orig. art. has: 4 figures and 7 formulas.

ASSOCIATION: none

SUBMITTED: 00

ENCL: 00

SUB CODE: EE, EC

NO REF SOV: 001

OTHER: 001

*Cl*  
Card 1/1

MINAYEV, V.I.; POPOV, G.R.; FEDYUKIN, V.I.; SHUL'MEYSTER, L.F.

Device for noncontact measurement of electric conductivity of  
semiconductor materials. Priborostroenie no.1:29 Ja '65.

(MIRA 18:3)

MINAYEV, V.I., inzh.; POPOV, G.R., inzh.; FEDYUKIN, V.I., inzh.; SHUL'MEYSTER,  
L.F., kand. tekhn. nauk

Device for measuring the ratio of the thermoelectromotive force.  
Priborostroenie no.2:10-11 F '65.  
(MIRA 18:3)

VOLZHIN, S.N.; MINAYEV, V.I.; POPOV, G.R.; SPUL'MEYSTER, L.F.

Ring-type switch in a relay with noncontact control. Priborostro-  
enie no.1:11-14 Ja '64. (MIRA 17:2)

*POPOV, G.R.*

BORISENKO, A.N., inzh.; POPOV, G.R., inzh.

High-voltage d.c. converters. Vest. elektroprom. 29 no.2:32-33  
(MIR 11:3)  
P '58.

1. Nauchno-issledovatel'skiy elementno-elektrougol'nyy institut.  
(Electric current converters)

Popov, G.R.

AUTHORS: Borisenko, A.N. (Engineer) & Popov, G.R. (Engineer) 110-2-9/22  
TITLE: A high voltage d.c. converter. (Vysokovol'tnyy preobrazovatel' postoyannogo toka)  
PERIODICAL: Vestnik Elektropromyshlennosti, 1958, No.2, pp.32-33 (USSR)  
ABSTRACT: High-voltage d.c. supplies are required for television sets, oscilloscopes and the like. The converters developed in the Institute consist of special reservoir circuits and semi-conducting rectifiers and generate several thousand volts d.c. in equipment of very small size and weight. The efficiency of the equipment is 38%, its dimensions 80 x 47 x 32 mm's, and its weight 150 grams. An input of 200 milliamps at 12 V d.c. is converted to 1 KV d.c. on a load of 1 megohm. The output characteristics, given in Fig.1, can easily be varied by altering circuit components. A schematic circuit diagram is given in Fig.2. Given the characteristics of the triode, it is not difficult to design the generator. The symmetrical generator circuit with two triodes shown in Fig.3. avoids having a constant magnetic flux in the core: thus, the size of the transformer is reduced whilst doubling the output power. There are 3 figures, no literature references)  
ASSOCIATION: The Scientific Research Element-Electro-Carbon Institute of the Electro-technical Industry (NEI EP)  
AVAILABLE: Library of Congress.

Card 1/1

POPOV, G.S.

Svetovoe oborudovanie samoleta. Moskva, 1940, 106 p., illus. (TSAGI. Trudy, no. 498)

Title tr.: Lighting equipment of aircraft.

NCF

SO: Aeronautical Sciences and Aviation in the Soviet Union, Library of Congress, 1955

POPOV, G.S.; MARCHENKO, R.N., inzhener.

~~\_\_\_\_\_~~ Drilling and completion of an oil well of simplified designn. Neftianik 2 no.1:3-5 Ja '57. (MLRA 10:2)

1. Glavnnyy inzhener Polazneuskoy kontory turbinnogo bureniya ob'yedineniya Molotovneft' (for Popov). 2. Polaznenskaya kontora turbinnogo bureniya (for Marchenko).  
(Oil well drilling)

GOSSE, N.P., inzh.; KISLUKHIN, S.V., inzh.; NIKOL'SKIY, G.A., inzh.;  
POPOV, G.S., inzh.; SHAKHOVTSEV, V.I., nauchnyy red.;  
RUNOVA, A.P., red.; VAGNER, A.A., red.; ALEKSEYEVA, T.V.,  
tekhn. red.

[Electrical equipment and instruments for automobiles and  
tractors; a reference catalog] Avtotraktorne elektro-  
oborudovanie i pribory; katalog-spravochnik. Moskva,  
TsINTIMASH. Pt.2. 1962. 378 p. (MIRA 15:9)

1. Russia (1923- U.S.S.R.) Gosudarstvennyy komitet po koordi-  
natsii nauchno-issledovatel'skikh rabot. 2. Nauchno-issledovatel'-  
skiy eksperimental'nyy institut avtotraktornogo elektrooboru-  
dovaniya i priborov (for Gosse, Kislukhin, Nikol'skiy, Popov).  
(Tractors--Electric equipment)  
(Automobiles--Electric equipment)

POPOV, Garri Sergeyevich; RASTORGUYEV, Petr Vasil'kevich; STEN'KO,  
Yuriy Mikhaylovich; NOVIKOV, Teodor Nikitovich; BARKOV,  
G.D., red.; BONDAREV, G.I., kand. med. nauk, red.;  
MOSHAROVA, T.P., red.izd-va; TIKHONOVA, Ye.A., tekhn. red.

[Medical handbook for the ship's captain] Meditsinskii spravochnik kapitana. Pod obshchei red. G.D.Barkova. Moskva,  
Izd-vo "Morskoi transport," 1963. 213 p. (MIRA 16:5)

l. Direktor TSentral'noy nauchno-issledovatel'skoy laboratorii  
gigiyeny vodnogo transporta (for Barkov).  
(MEDICINE, NAVAL—HANDBOOKS, MANUALS, ETC.)

BATARCHUKOVA, N.R.; YEFREMOV, Yu.P.; POPOV, G.S.

Krypton tube for the reproduction of the length-unit standard.  
Izm.tekh.no.8:14-16 Ag '62. (MIRA 16:4)  
(Metric system)

POPOV, G.S., Cand Agr Sci -- (diss) " *Kystrojye [?]*  
rot of the sugar beet, microorganisms causing  
it, and methods for controlling it." Voronezh, 1958,  
16 pp (Min of Agr USSR. Voronezh Agr Inst) 150 copies.  
List of author's works pp 15-16 (KL, 29-58, 135)

POPOV, G. S., Cand Tech Sci (diss) - "Investigation of the precision and cleanliness of the surface in dressing with mineral-ceramic cutters". Moscow, 1960. 11 pp (State Committee of the Council of Ministers USSR on Automation and Machine Building, Central Sci Res Inst of Tech and Machine Building TsNIITMash), 150 copies (KL, No 14, 1960, 133)

POPOV, G. S.

37414. Bor'ba s Poteryami Sakharnoy Svekly Pri Uborke i Khranenii. V Sb:  
Za Vysokuyu Kul'turu Zemlediliya. Kursk, 1949, s. 9-108.

SO: Letopis' Zhurnal'nykh Statey, Vol. 7, 1949

USSR / Diseases of Cultivated Plants.

0

Abs Jour : Ref Zhur - Biol., No 9, 1958, No 39665

Author : Popov, G. S.

Inst : Not given

Title : The Role of Artificial Contamination in the Selection of Varieties Which Will Resist to Bunt.

Orig Pub : Zashchit. rast. ot vredit. i bolezney, 1957, No 5, 25-26.

Abstract : On the basis of experiments conducted over a period of many years on the artificial contamination of winter wheat varieties with bunt, the author established that the resistance increased for the majority of varieties by 1 - 13.2%, but diminished by 5.47% for the Ferruginosum variety. For inspection purposes and also in order to breed new better resistant varieties, it is recommended to conduct a phytopathological evaluation of the selection material on the

Card 1/2

6

KCP.V, G. S.

Subject : USSR/Engineering AID P - 321  
Card : 1/1  
Author : Popov, G. S., Engineer  
Title : Experience in mass laying of all kinds of electrical cables under winter conditions  
Periodical : Sbor. mat..o nov. tekh. v stroi., 3, 16-19, 1954  
Abstract : An efficient way of laying all kinds of electrical cables in freezing weather is described: for making ditches-a special knife attachment to the bulldozer blade; for lifting, transporting and unwinding of cable drums-a special equipment, mounted on a tractor trailer. A photo and a graph illustrate this equipment.  
Institution : None  
Submitted : No date

GOSSE, N.P., inzh.; KISLUKHIN, S.V., inzh.; NIKOL'SKIY, G.A., inzh.;  
POPOV, G.S., inzh.; SHAKHVTSEV, V.I., nauchnyy red.; VAGNER, A.A.,  
red.; RUNOVA, A.P., red.; KOVAL'SKAYA, I.F., tekhn. red.; VINOGRADOV,  
Ye.A., tekhn. red.; IL'YUSHENKOVA, T.P., tekhn. red.

[Electric equipment and devices of motor vehicles; catalog and  
reference book] Avtotraktorne elektro-oborudovanie i pribory; katalog-  
spravochnik. Moskva, Tsentr.in-t nauchno-tekhn.informatsii mashino-  
stroeniia. Pt.1. 1961. 371 p. (MIRA 14:12)

1. Russia (1923- U.S.S.R.) Gosudarstvennyy komitet po koordinatsii  
nauchno-issledovatel'skikh rabot. 2. Nauchno-issledovatel'skiy  
eksperimental'nyy institut avtotraktornogo elektrooborudovaniya i  
priborov (for Gosse, Kislyukhin, Nikol'skiy, Popov). 3. Direktor Na-  
uchno-issledovatel'skogo eksperimental'nogo instituta avtotraktornogo  
elektrooborudovaniya i priborov (for Shakhvostev).  
(Motor vehicles—Electric equipment)

ACC NR: AR6036314

SOURCE CODE: UR/0273/66/000/009/0033/0033

AUTHOR: Popov, G. S.

TITLE: Effect of cetane rating of a fuel on the wear of cylinders and connecting rod necks of the crankshaft of a D-37M diesel engine

SOURCE: Ref. zh. Dvigateli vnutrennogo sgoraniya, Abs. 9, 39, 220

REF SOURCE: Tr. Kirovskogo s.-kh. in-ta, v. 18, no. 32, 1966, 106-117

TOPIC TAGS: diesel engine, diesel fuel, engine crankshaft, cetane rating, cetane number, engine wear, fuel cetane rating

ABSTRACT: An experimental investigation was conducted to determine the effect of the cetane rating of a diesel fuel on the wear of parts of the crankgear. The investigations which were carried out on the D-37M air-cooled diesel engine, indicated that the use of diesel fuel with a cetane rating of 60, as compared to that with a cetane rating of 40, decreases the mean diametric wear in cylinders by 17% and of the connecting rod necks of the crankshaft by 2-3%. [Translation of abstract]

SUB CODE: 21/

[NT]

Card 1/1

UDC: 621. 436. 004. 62

ACC NR: AR6036313

SOURCE CODE: UR/0273/66/000/009/0033/0033

AUTHOR: Popov, G. S.

TITLE: Effect of the stiffness of the performance of a tractor diesel engine on its wear

SOURCE: Ref. zh. Dvigateli vnutrennogo sgoraniya, Abs. 9.39, 219

REF SOURCE: Tr. Kirovskogo s.-khi. in-ta, v. 18, no. 32, 1966, 145-152

TOPIC TAGS: tractor, diesel engine, air cooled diesel engine, engine wear, engine performance, stiffness, fuel additive/D-37M diesel engine

ABSTRACT: Tests were conducted on a D-37M air-cooled four-cylinder diesel engine with S/D = 120-105 mm and with a rated output of 40 hp. The performance stiffness of the engine was varied by using various mixtures of diesel fuel with synthine and green oil. An addition of synthine to the fuel lowered the stiffness of the engine's performance and an addition of green oil increased it. All tests were divided into cycles each 5 hours long. Each cycle was conducted at different stiffness of the diesel. Diagrams are presented showing wear of the

Card 1/2

UDC: 621.436.004.62

Card 2/2

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Bulgaria/Chemical Technology - Chemical Products and Their Application. Silicates.  
Glass. Ceramics. Binders, I-9

Abst Journal: Referat Zhur - Khimiya, No 19, 1956, 62379

Author: Popov, Georgi St.

Institution: None

Title: Fast-Setting High-Strength Concrete

Original

Periodical: B "rzovtv" pdyavash se beton s golyama yakost. stroitelstvo, 1956,  
3, No 1, 26-27; Bulgarian

Abstract: None

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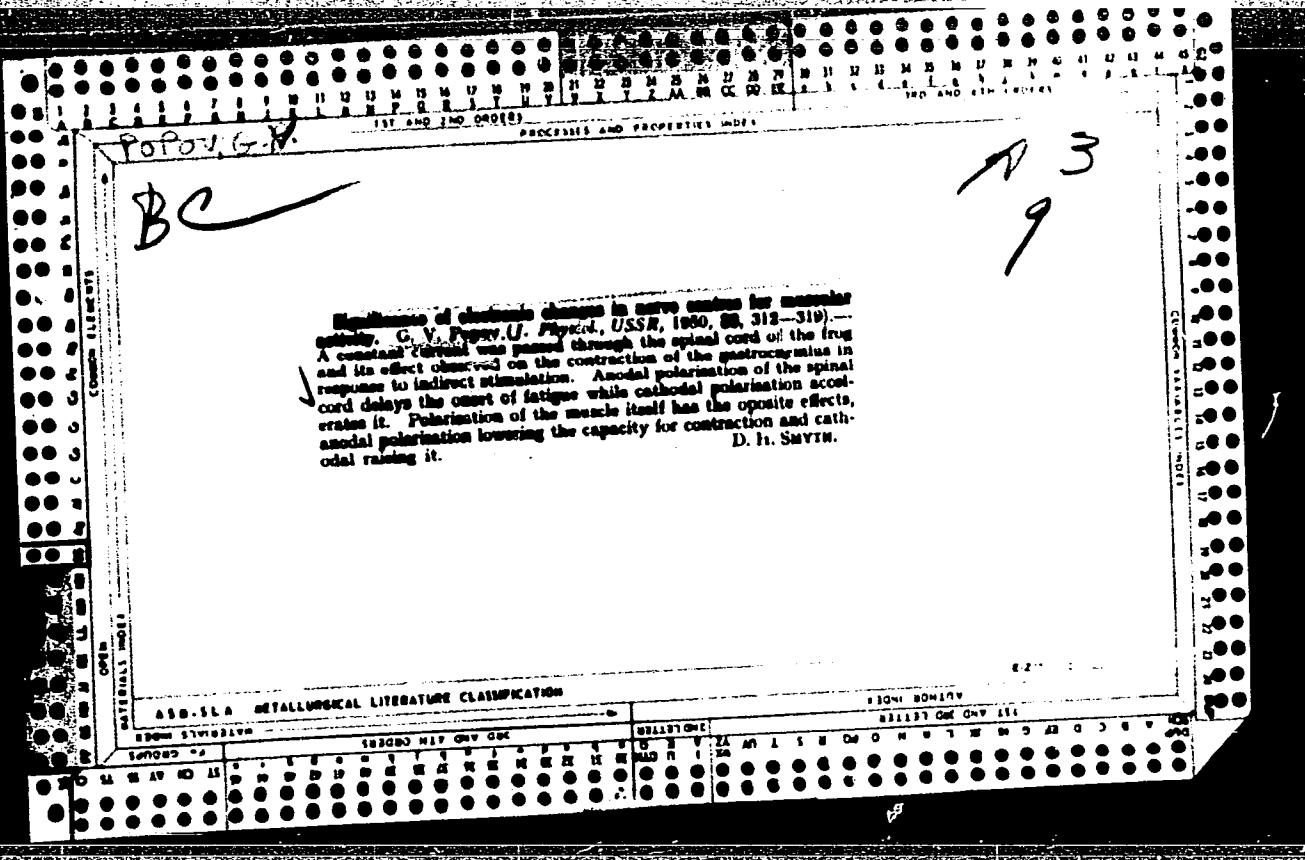
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2. USSR (600)
4. Muscle
7. Linked changes in muscular contractions in brain polarization. Fiziol. zhur. 39, No. 2, 1953.
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1. Department of Human and Animal Physiology at Karelo-Finnish State University, Petrozavodsk.

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in seal trappers & fat processing plants (Rus))  
(OCCUPATIONAL, dis.

hand lesions in seal trappers & fat processing plants  
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POPOV, G. V. Cand Med Sci -- (diss) "Injury and occupational  
diseases <sup>of</sup> ~~among~~ <sup>among</sup> ~~members~~ <sup>while</sup> ~~the hands of kolkhoz~~ ~~collective farmers~~ from  
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epidemiologii, mikrobiologii i gigiyeny (dir. - M.Ya. Alfer'yeva).  
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(OCCUPATIONAL DISEASES,

diplococcus infect. of finger joints in seal-hunters  
(Rus))

(FINGERS, diseases

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(DIPLOCOCUS, infection,

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